

**To:** Way, Steven[way.steven@epa.gov]  
**From:** Christner, Jan  
**Sent:** Tue 4/22/2014 8:53:01 PM  
**Subject:** RE: American Tunnel Data

How long will you be around today and will you be available by phone tomorrow?

The historic (1987-91) American Tunnel data only shows flow rates for two dates, 11/18/88 and 4/1/91. That would be fine, but the flow rates are almost identical and approximately 1600 gpm, just the same flow rate as the AT treatment plant was designed for if I remember correctly. Given that, plus the fact that the sample name is ATINFL (American Tunnel Influent?), this table may show the flow and water quality entering the treatment system. If I recall, they treated the American Tunnel water plus Cement Creek water if there was excess capacity. Not sure what they did if/when the AT ran higher than 1600 gpm except maybe discharge and hope for dilution.

In the meantime, I'm going ahead with the load calculations for November, April, mean from 1987-91 and max from the same dates then will compare to more current loads. It shouldn't take too long.

**From:** Way, Steven [mailto:[way.steven@epa.gov](mailto:way.steven@epa.gov)]  
**Sent:** Tuesday, April 22, 2014 12:59 PM  
**To:** Christner, Jan  
**Subject:** FW: American Tunnel Data

Jan, as discussed regarding the analysis of change in loading sources as a function of plugging the Am Tnl. This has relevance to the R n B site.

Currently adits the flow include: Mogul mine, Red and Bonita, Gold King 7 level, and the American Tunnel.

I would like to compare the loading associated with the Am Tnl before plugging with the current (09 – 2012) period loads from the 4 adits and Cement Creek. The question of diffuse flow to CC is the more difficult . However, the USGS study we did in Oct 12 is available, and I will check to see when the previous tracer study was done by USGS – i.e., before plugging the Am Tnl.

Steve

**From:** Sorrenson - DNR, Allen [<mailto:allen.sorenson@state.co.us>]  
**Sent:** Monday, April 21, 2014 2:50 PM  
**To:** Way, Steven  
**Subject:** American Tunnel Data

Steve, starting on page 11 of the attached document is pre-bulkhead water quality data for the American Tunnel untreated discharge. -Allen

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